



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Titan Glass & Aluminum, LLC

450 W. 27th Street

Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "TDS-4000" Aluminum Sliding Glass Door (Steel Reinforced)-L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD12-47**, titled "Series TDS-4000 Alum Sliding Glass Door (L.M.I.)", sheets 1 through 8 of 8, prepared by MCY Engineering Inc., dated 07/03/12 and last revised on DEC 20, 2012, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Full length Steel reinforcements at interlock & astragal stiles are required. Overall sill flange Height = 3.125" (sill item #1 + adapter item #8) required for exterior positive design pressure = + 90 PSF.
2. Two (2) anchors are required per location except cluster at interlock/astragal stiles (see anchor layout).
3. All extrusion Die Dwg's are to be per test report FTL 5090.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises** NOA # **12-0725.03** (former **Florida Coastal Protective Manufacturing Inc.**) and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 12-1128.04
Expiration Date: August 23, 2017
Approval Date: February 28, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under file #**12-0725.03 /08-0826.05**)
2. Drawing No. **AD12-47**, titled "Series TDS-4000 Alum Sliding Glass Door (L.M.I.)", sheets 1 through 8 of 8, prepared by MCY Engineering Inc., dated 07/03/12 and last revised on DEC 20, 2012, signed and sealed by Yiping Wang, P.E.

B. TESTS (Submitted under file # **12-0725.03 /08-0826.05**)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 5090 (07020)**, dated 04/17/07, signed and sealed by Michael Wenzel, P. E.

C. CALCULATIONS (Submitted under file # **12-0725.03 /08-0826.05**)

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by MCY Engineering Inc., dated 07/12/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

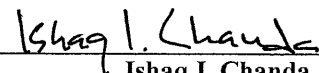
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**", expiring on 11/14/17.
2. Notice of Acceptance No. **08-1224.04** issued to Solutia, for "Saflex Composite interlayer w/ PET core", expiring on 12/11/2013.
3. Technical strength mat'l data sheet of PolyOne Geon™ Flexible Vinyl by Central Plastics.

F. STATEMENTS

1. Statement letter for DWG AD12-47 is identical to NOA# 12-0725.03 w/ Mfr. name & series changes, prepared by MCY Engineering Inc., dtd 02/20/13, signed & sealed by Yiping Wang, P.E.
2. Statement letter of conformance and letter of no financial interest, prepared by MCY Engineering Inc., dated 06/08/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang d, P.E. (Submitted under file # **12-0725.03**)
3. Letter from Florida Coastal Imp Windows LLC, relinquishing rights to NOA # 12-0725.03 due to sell to Titan Glass & Alum, dated 10/18/12, signed by Enrique "Henry" Revilla.
4. Letter from Titan Glass & Aluminum, stating that they have legally purchased all assets and requesting that a new NOA be issued under their name, dated 10/18/12, signed by Luis Navia.
5. Purchase/Sale Agreement of Assets dated October 12, 2012, signed by Mr. Luis Navia (Titan Glass & Aluminum, LLC) and Mr. Henry Revilla (Florida Coastal Imp Windows LLC)
6. Lab compliance as part of the above referenced test report.

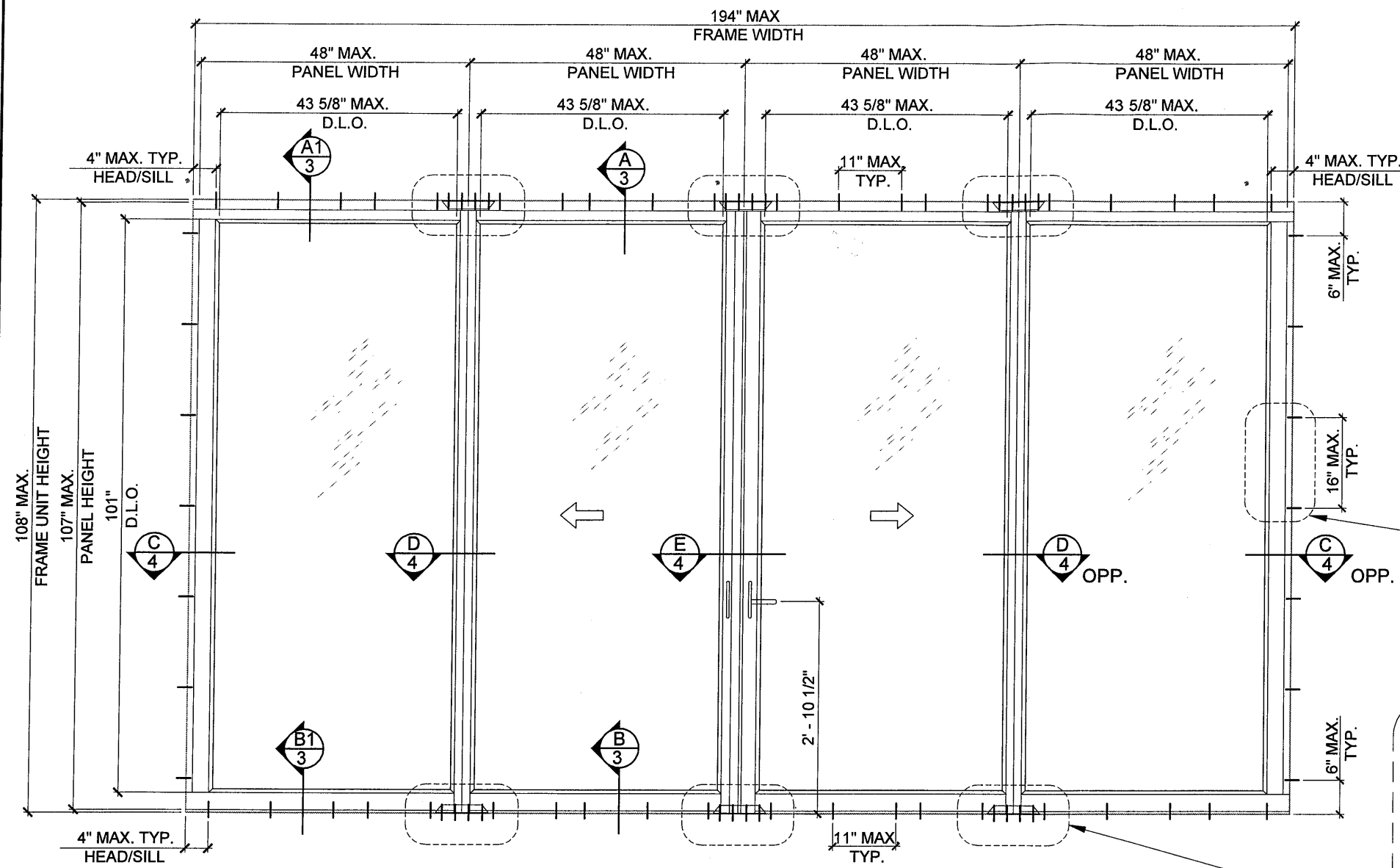
G. OTHER

1. This NOA revises NOA # **12-0725.03** (former **Florida Coastal Protective Manufacturing Inc.**), expiring on AUG 23, 2017.
2. Test proposal, March 07, 2006 approved by BCCO.

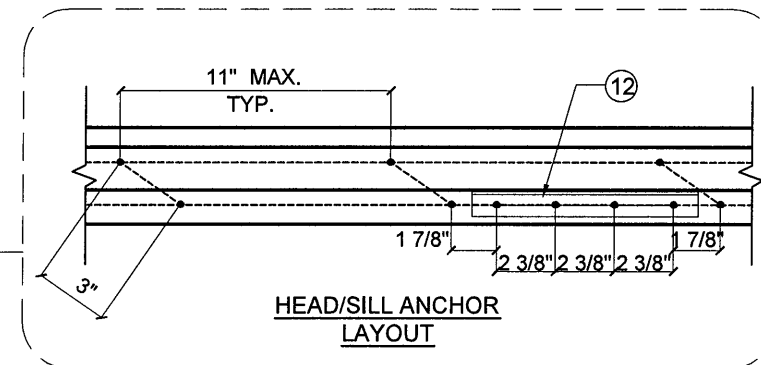
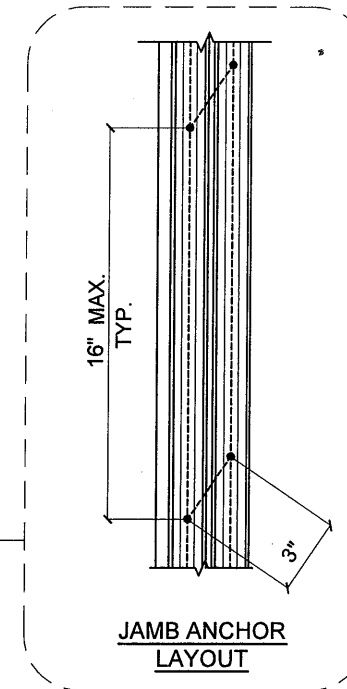


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 12-1128.04

Expiration Date: August 23, 2017
Approval Date: February 28, 2013



TYPICAL ELEVATION (OXXO)



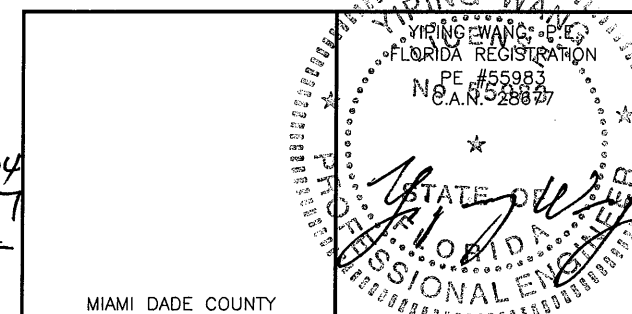
GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE SECTION 2003.8.4.
- METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

DESIGN LOAD	
POSITIVE	+90 Psf
NEGATIVE	-90 Psf

PRODUCT REVIEWED
 on compliance with the Florida
 Building Code
 Assignment No. 12-112304
 Expiration Date AUG 23, 2017
 (Signature) L. L. L. L. L.
 State of Florida Professional Engineer



NO.	DATE	DESCRIPTION

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 8501 SW 124 AVE. STE. 205A P: 305.271.0117
 MIAMI, FL 33183 F: 305.921.4786
 www.MCYEngineering.com MCY.Engineering@Att.net

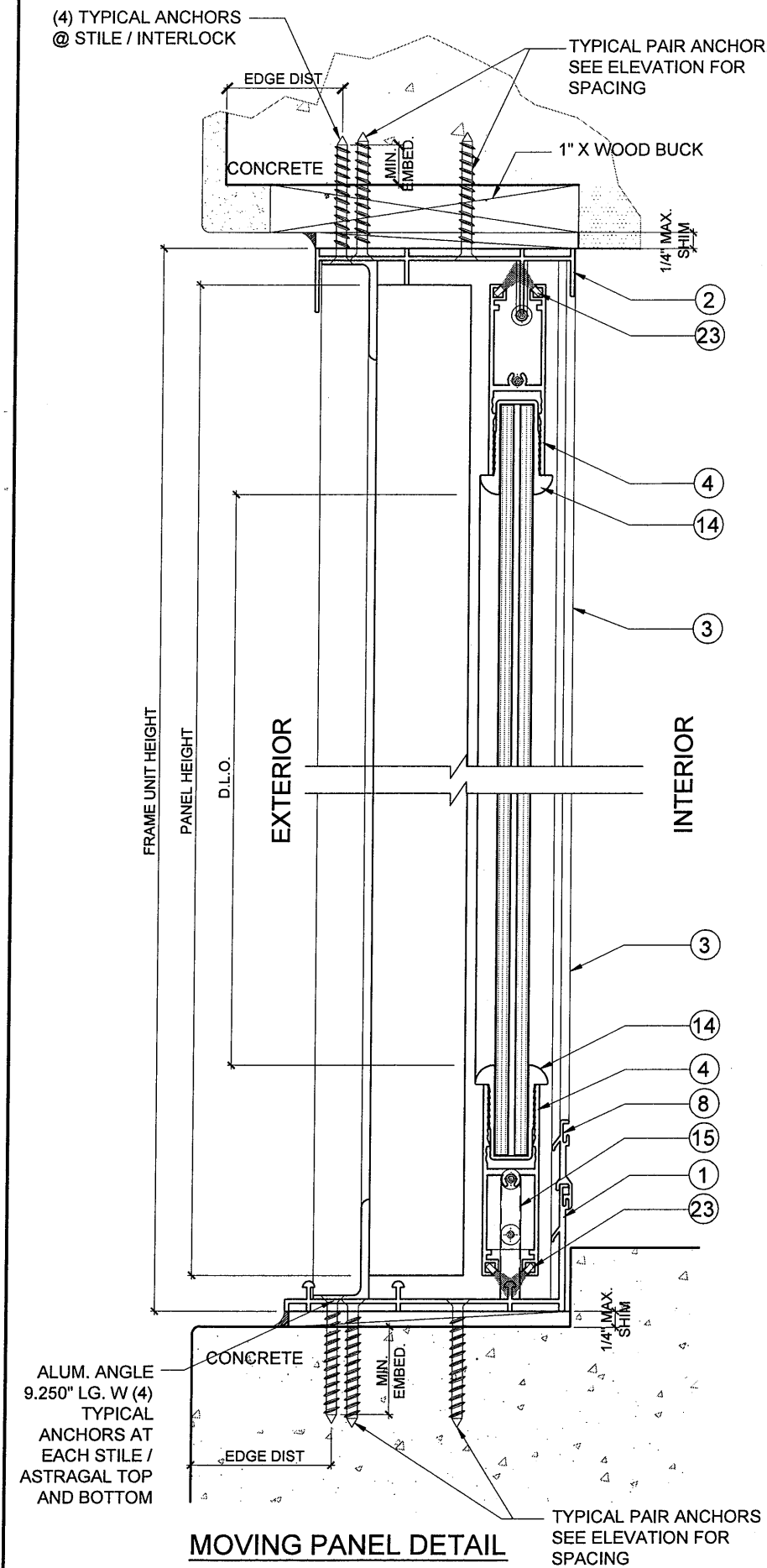
TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)
TITAN GLASS & ALUMINUM, LLC.
 450 WEST 27th STREET
 HIALEAH, FL 33010
 P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111

DRAWING NO.
AD12-47

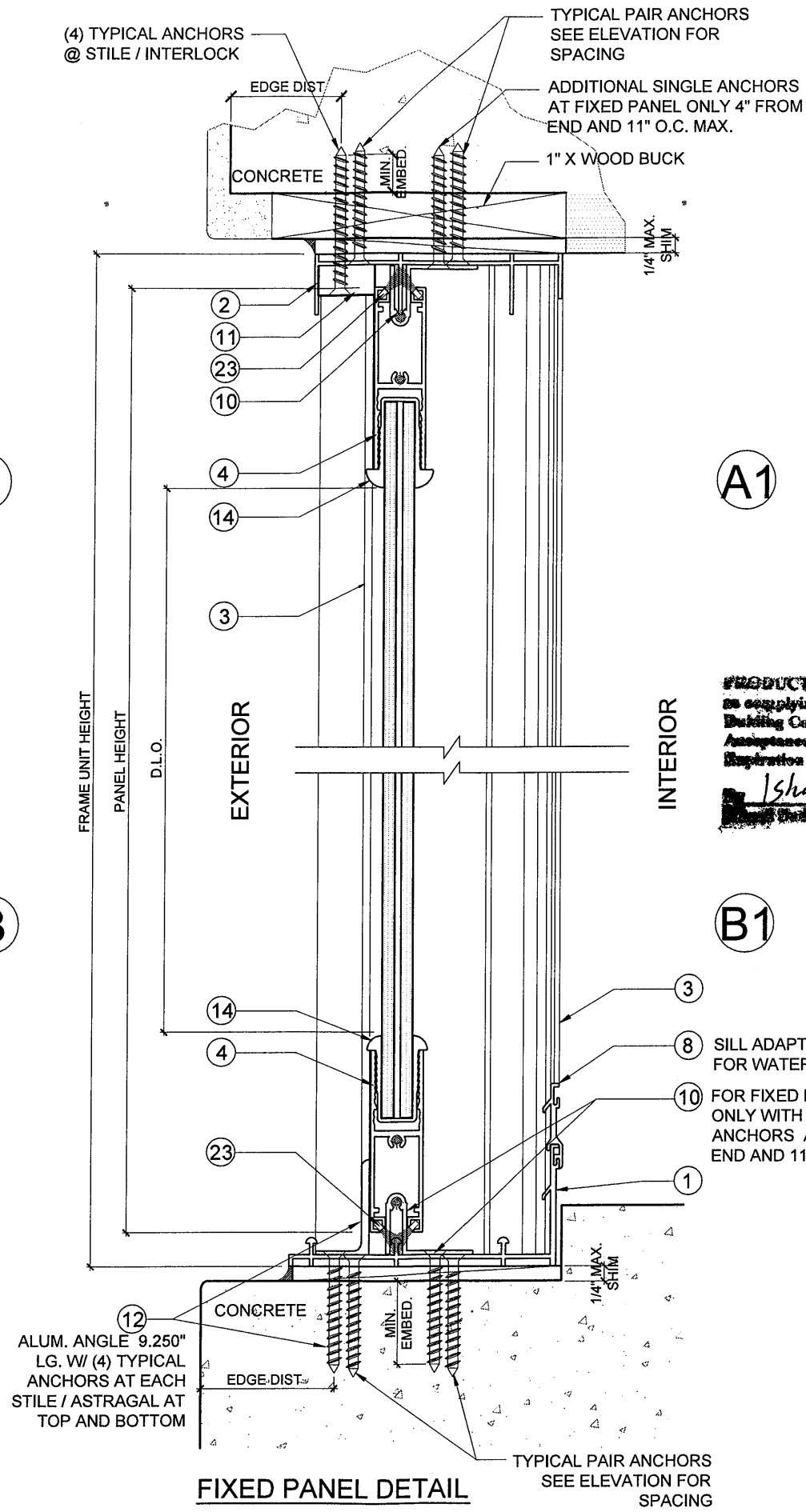
SHEET 1 OF 8

DEC 20 2012



A

B



A1

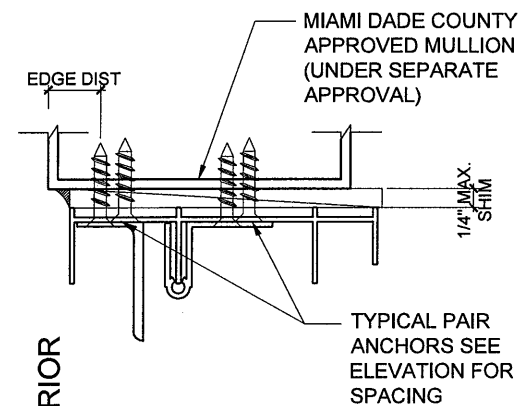
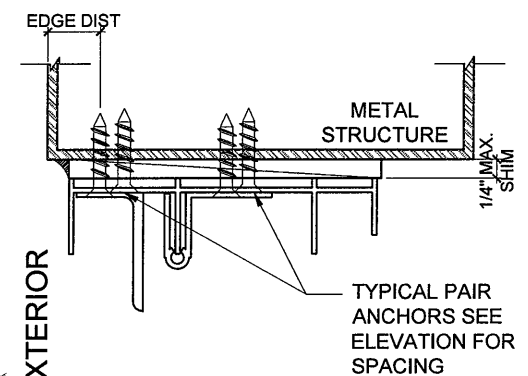
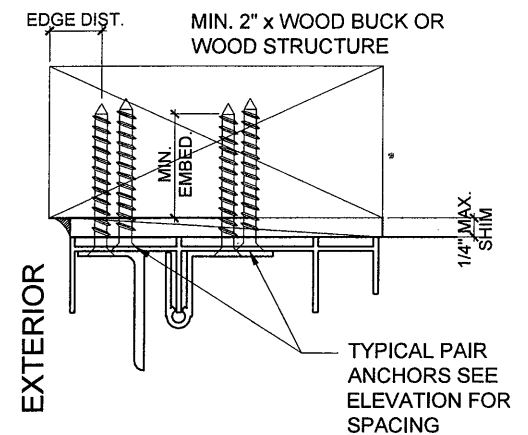
B1

PRODUCT REVIEW
 as complying with the Florida Building Code
 Acceptance No. 12-1128-04
 Inspection Date 02/23/17
 [Signature]
 Miami Dade Product Council

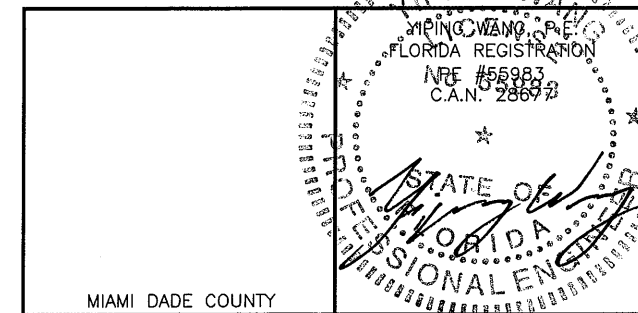
8 SILL ADAPTER REQUIRED FOR WATER INFILTRATION

10 FOR FIXED PANEL ONLY WITH TYPICAL ANCHORS AT 4" FROM END AND 11" O.C. MAX.

1



A OPTIONS



NO.	DATE	DESCRIPTION

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A P. 305.271.0117
 MIAMI, FL 33183 F. 305.921.4786

www.MCYEngineering.com MCY.Engineering@Att.net

TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)

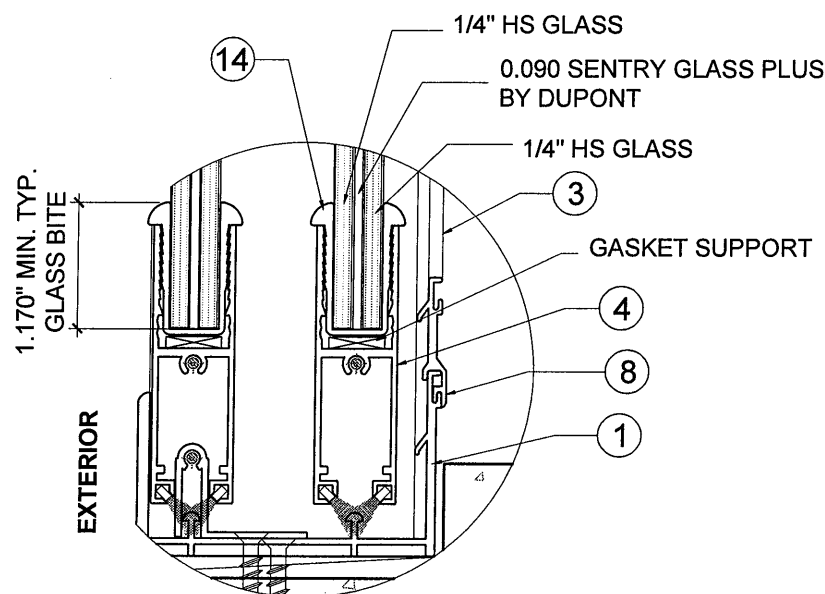
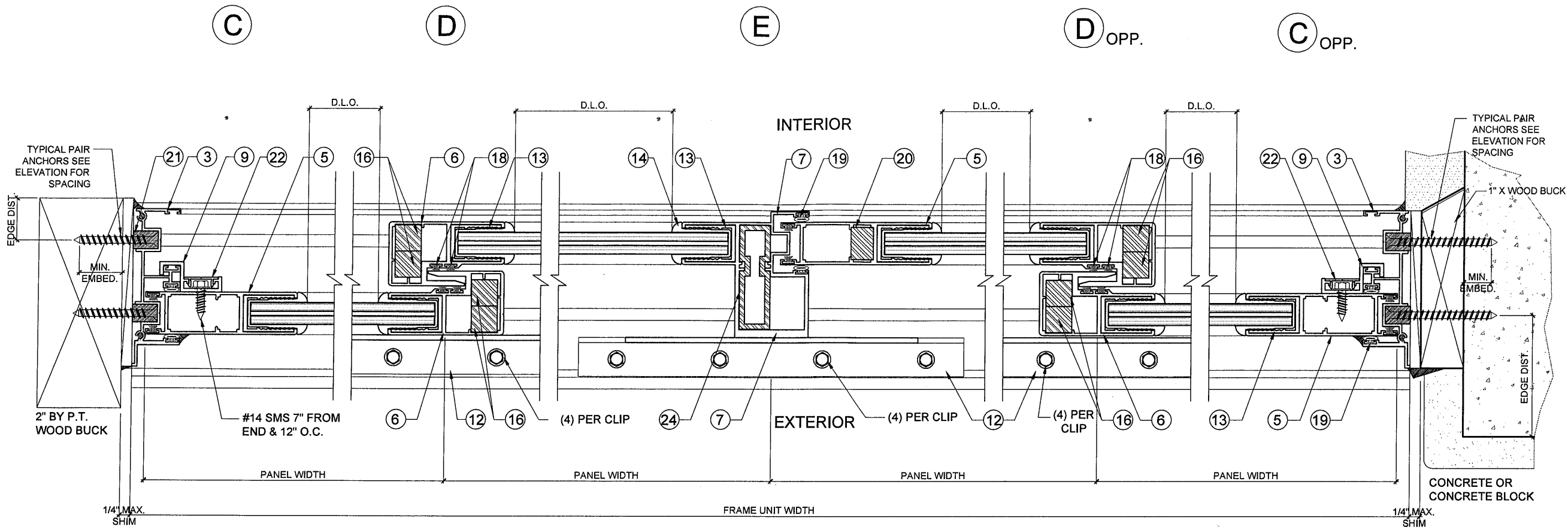
TITAN GLASS & ALUMINUM, LLC.

450 WEST 27th STREET
 HIALEAH, FL 33010

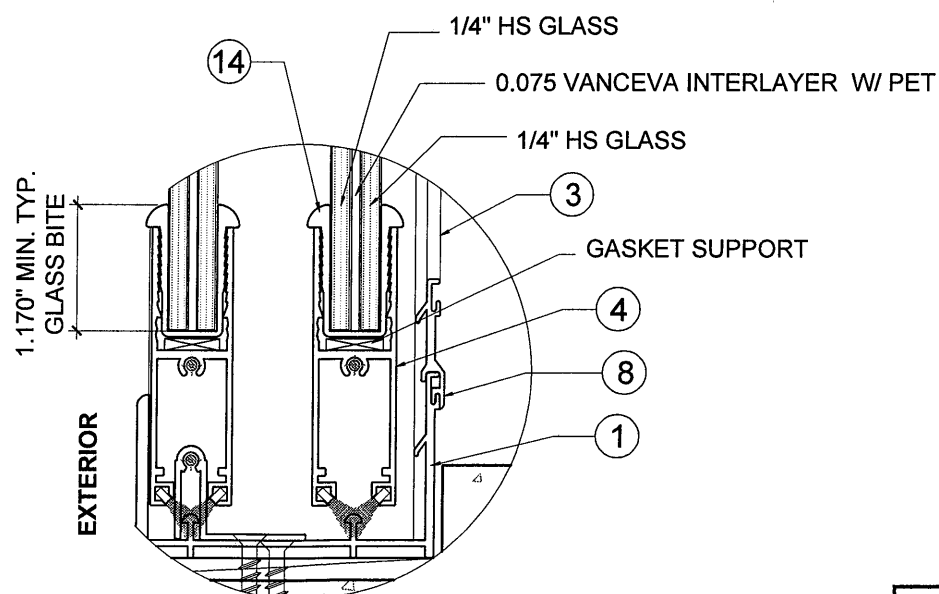
P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111
DRAWING NO.	AD12-47
SHEET	3 OF 8

DEC 20 2012



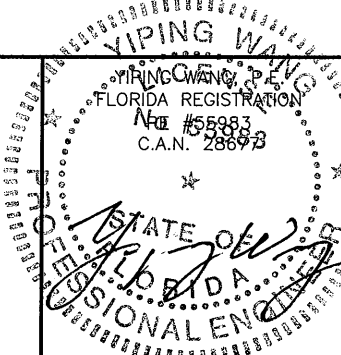
GLASS TYPE "A"
0.534" OVERALL GLASS THICKNESS



GLASS TYPE "B"
0.521" OVERALL GLASS THICKNESS

GLAZING COMPLY WITH ASTM E1300-04

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 12-1128.04
Expiration Date 09/23/17
By: *Isaac J. Chandra*
Product Control



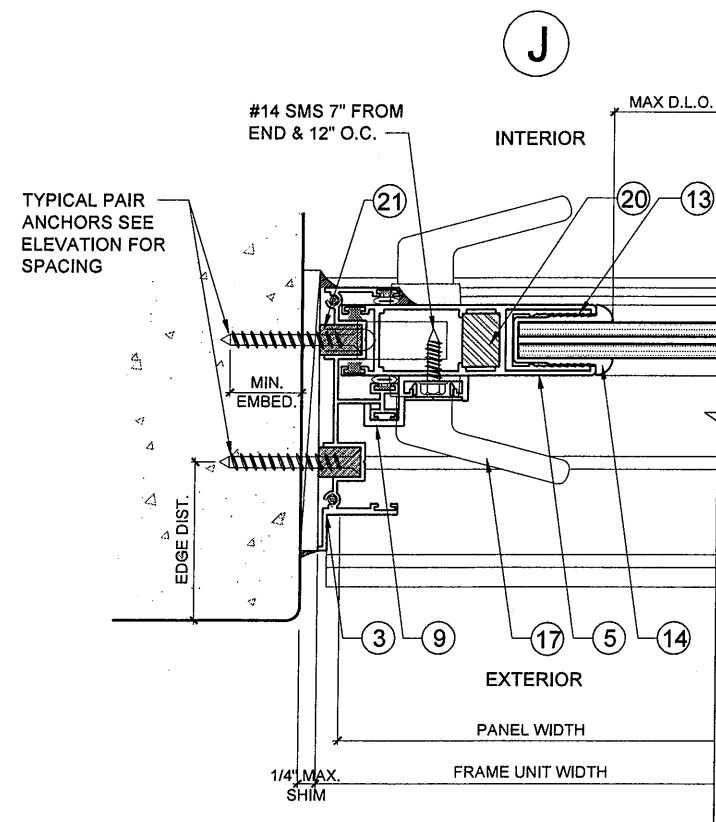
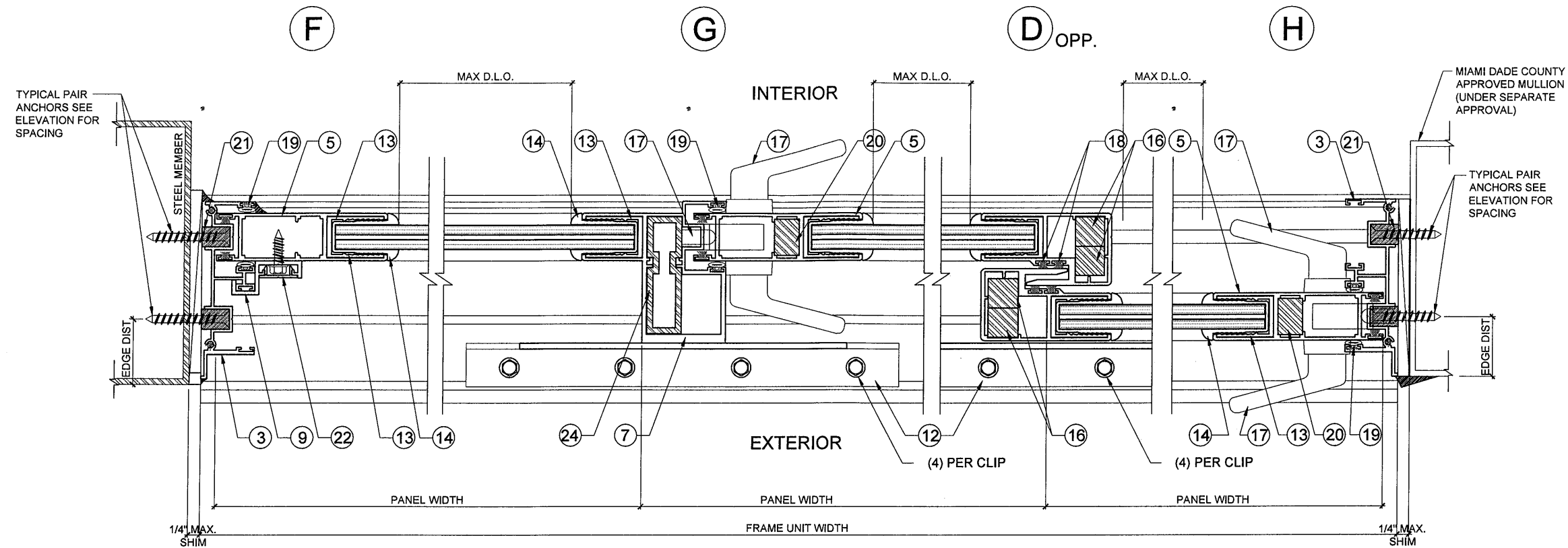
REVISIONS	
NO.	DATE DESCRIPTION

MCY
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL 33183 F: 305.921.4786
www.MCYEngineering.com MCY.Engineering@Att.net

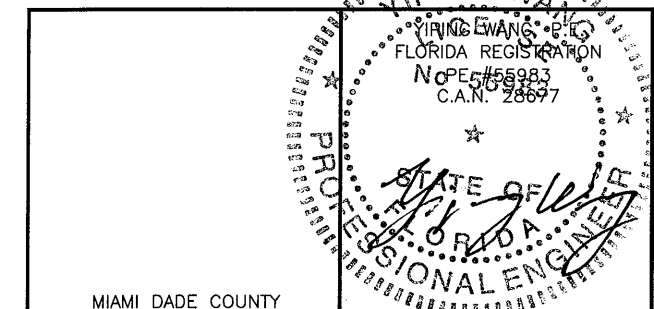
TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)
TITAN GLASS & ALUMINUM, LLC.
450 WEST 27th STREET
HALEAH, FL 33010
P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111
DRAWING NO.	AD12-47
SHEET	4 OF 8

DEC 20 2012



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-1128-04
 Expiration Date 03/23/17
 1 Shing L. Chank
 Miami Dade Product Control



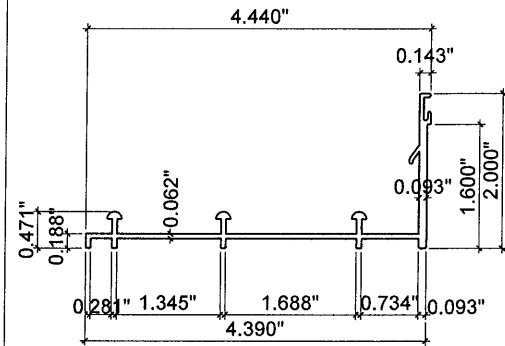
REVISIONS	NO	DATE	DESCRIPTION

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 8501 SW 124 AVE. STE. 205A P: 305.271.0117
 MIAMI, FL 33183 F: 305.921.4786
 www.MCYEngineering.com MCY.Engineering@Att.net

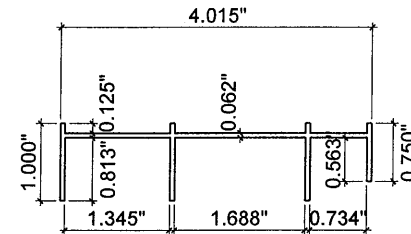
TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)
TITAN GLASS & ALUMINUM, LLC.
 450 WEST 27th STREET
 HIALEAH, FL 33010
 P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111
DRAWING NO.	AD12-47
SHEET	5 OF 8

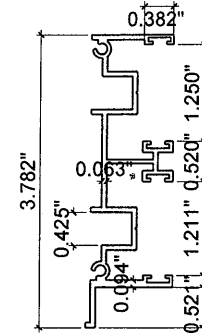
DEC 20 2012



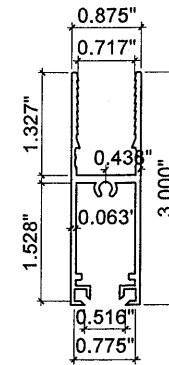
01 FRAME SILL
FSP 023



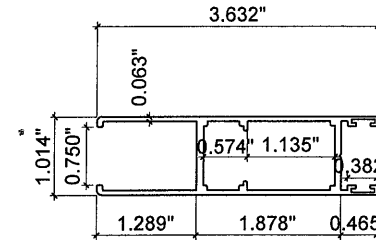
02 FRAME HEAD
FSP 024



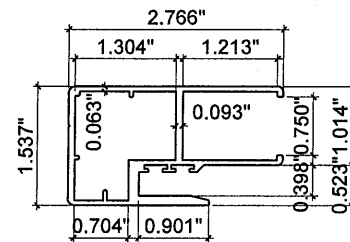
03 FRAME JAMB
FSP 025



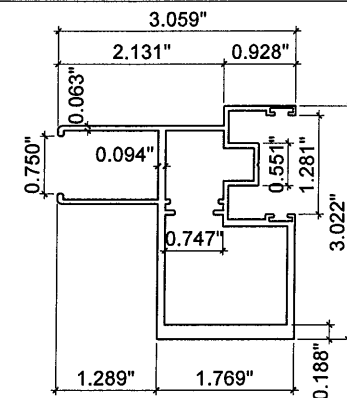
04 TOP & BOTTOM RAIL
FSP 026



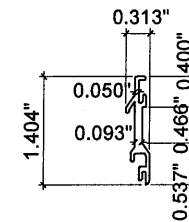
05 LOCKSTILE & JAMBSTILE
FSP 027



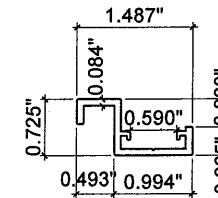
06 MOVING INTERLOCK
FSP 028



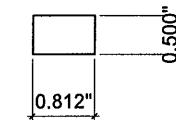
07 CENTER MATE
FSP 029



08 SILL ADAPTER
FSP 030



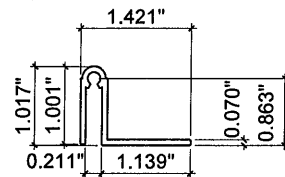
09 FIXED PANEL SIDE RAIL
FSP 031



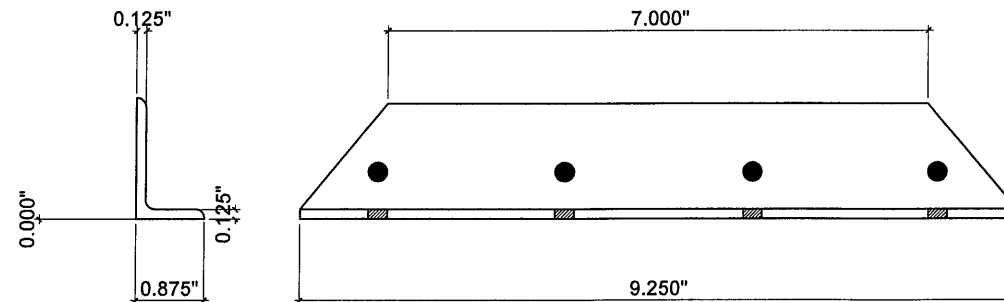
11 ALUMINUM BAR AT HEAD @ ASTRAGAL
FSP 033

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Approval No. 12-1128-P4
Expiration Date 06/23/17
By 136491.1.1
Miami Dade Product Control

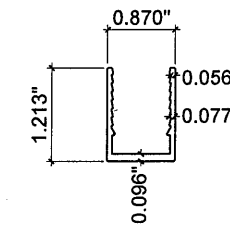
L = 9.00"



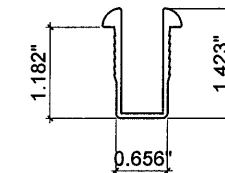
10 ADAPTER AT HEAD/SILL
FSP 032



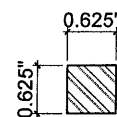
12 ANGLE AT HEAD/SILL (INTERLOCK/STILES)
FSP 034



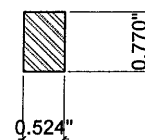
13 STILE FITTING INSERT
FSP 037



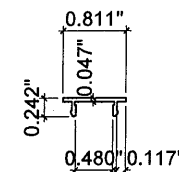
14 GLAZING GASKET FOR ITEM # 4
FSP 038



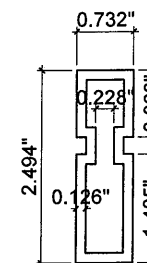
16 STEEL INSERT FOR ITEM # 6
FSP 035



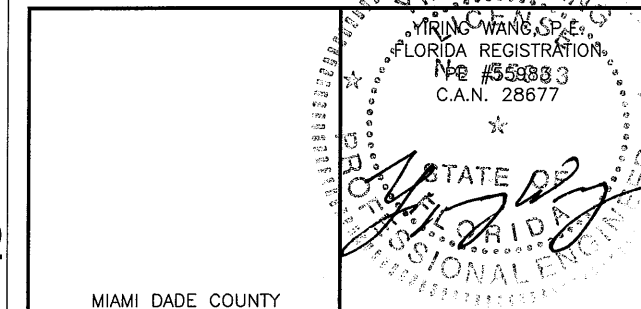
20 STEEL INSERT FOR ITEM # 5
A36



22 COVER SCREW SIDE HOLDER
FSP 036



24 ALUMINUM INSERT FOR ITEM # 7
FSP 036



NO.	DATE	DESCRIPTION

MCY
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL 33183 F: 305.921.4786
www.MCYEngineering.com MCY.Engineering@Att.net

TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)
TITAN GLASS & ALUMINUM, LLC.
450 WEST 27th STREET
HIALEAH, FL 33010
P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111
DRAWING NO.	AD12-47
SHEET	6 OF 8

DEC 20 2012

BILL OF MATERIALS


ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	FSP 023	FRAME SILL	6063-T6 ALLOY	-
2	FSP 024	FRAME HEAD	6063-T6 ALLOY	-
3	FSP 025	FRAME JAMB	6063-T6 ALLOY	-
4	FSP 026	TOP AND BOTTOM RAIL	6063-T6 ALLOY	-
5	FSP 027	LOCKSTILE AND JAMBSTILE	6063-T6 ALLOY	-
6	FSP 028	MOVING INTERLOCK	6063-T6 ALLOY	-
7	FSP 029	CENTER MATE	6063-T6 ALLOY	-
8	FSP 030	SILL ADAPTER	6063-T6 ALLOY	-
9	FSP 031	FIXED PANEL SIDE RAIL	6063-T6 ALLOY	-
10	FSP 032	ADAPTER HEAD/SILL	6063-T6 ALLOY	-
11	FSP 033	0.500" X 0.812" ALUMINUM BAR	6063-T6 ALLOY	-
12	FSP 034	ANGLE AT TOP AND BOTTOM 9 1/4" LONG	6063-T6 ALLOY	-
13	FSP 037	STILE FITTING INSERT	6063-T6 ALLOY	-
14	-	GLAZING GASKET	FLEXIBLE PVC	CENTRAL PLASTICS. DUROMETER 80 ± 5 SHORE A
15	-	TANDEM ROLLER REGULAR (SS) ONE @ EA. END OF EA. MOVING PANEL W/ (4) #8 X 3/4" SMS EA. PANEL	STAINLESS STEEL WHEELS	AMESBURY
16	FSP 035	5/8" X 5/8" STEEL BAR, ZINC PLATED	STEEL	ASTM A36
17	-	OPTIONAL HANDLE W/ 4 #8X3/4" F.H. SMS TO STILE AT LOCK/KEEPER END	ALUMINUM	AMESBURY
18	-	WEATHER STRIP	POLYPROPYLENE	W13241 NW, ULTRAFAB INC.
19	-	BULB: 8201-60. BASE: 203-50, 0.270" BASE BULB SEAL	AES SANTOPRENE	CENTRAL PLASTICS
20	-	1/2" X 3/4"STEEL INSERT FOR ITEM # ⑤	STEEL	ASTM A36
21	-	INSERT FOR FRAME JAMB	6063-T6 ALLOY	-
22	ALH-195	COVER SCREW SIDE HOLDER	6063-T6 ALLOY	-
23	-	WHEATHER STRIP	POLYPROPYLENE	W23261NK, ULTRAFAB, INC.
24	FSP 036	TUBE SUPPORT FOR COMPONENT ITEM # ⑦	6063-T6 ALLOY	-

PRODUCT REVIEWED
 Conforming with the F...
 Shipping Code
 Acceptance No. 12-1129-04
 Expiration Date 02/23/17
 1 Shugl. Chugl
 End Date Product Control

[illegible]

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL 33183 F: 305.921.4786

 www.MCYEngineering.com MCY.Engineering@Att.net

TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)

TITAN GLASS & ALUMINUM, LLC.

450 WEST 27th STREET
HIALEAH, FL. 33010
P: (305) 888-0911 F: (305) 671-3840

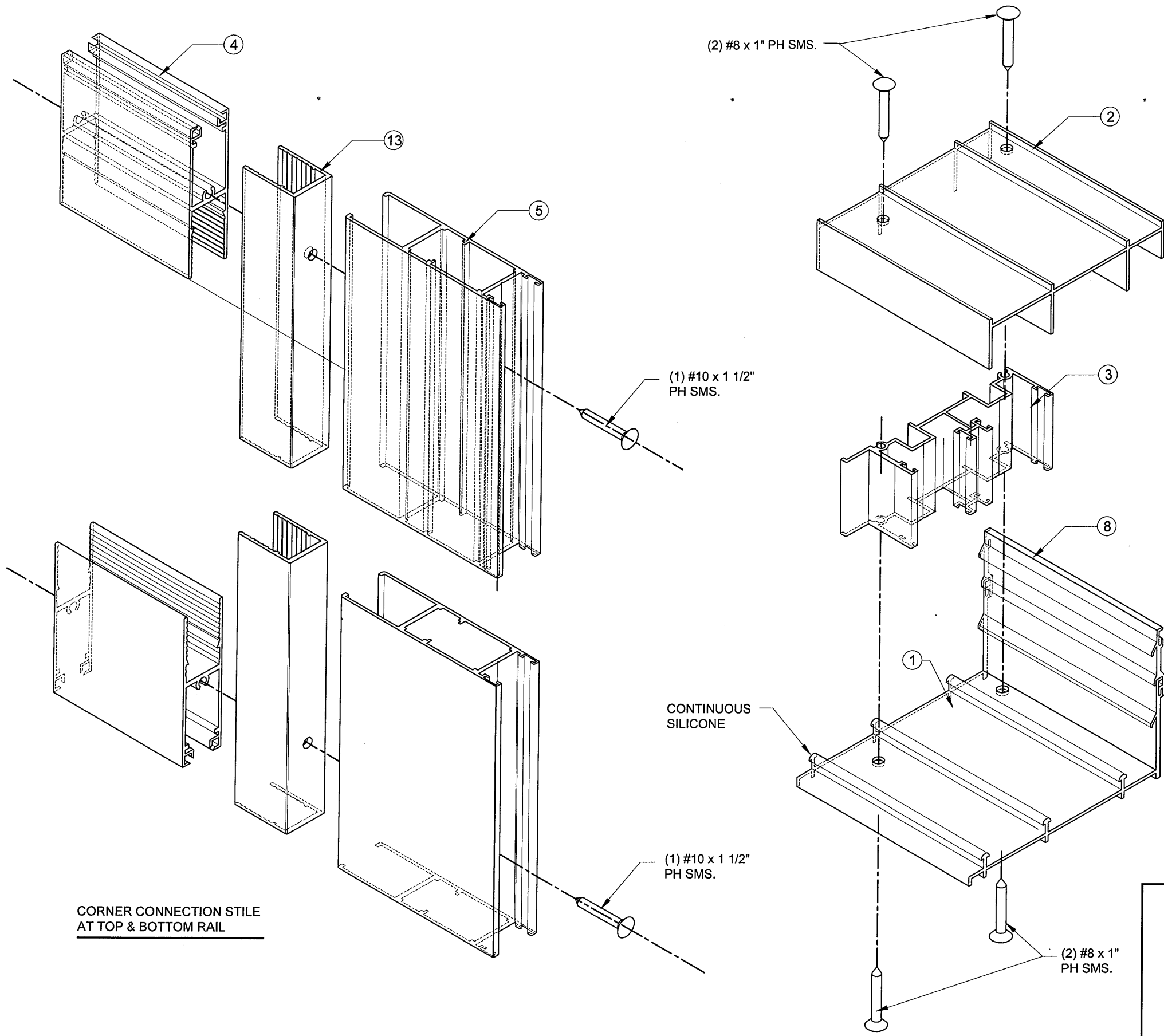
DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111

DRAWING NO.
AD12-47

SHEET 7 OF 8

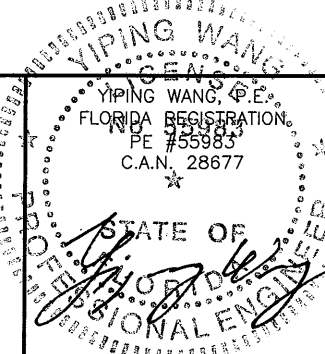
MIAMI DADE COUNTY

DEC 20 2012



PRODUCT REVISED
 in accordance with the Florida
 Building Code.
 Amendment No. 12-112304
 Registration Date 06/23/17
 Yiping Wang, P.E.
 State of Florida Professional Engineer

CORNER CONNECTION AT
 FRAME HEAD & SILL TO JAMB



MIAMI DADE COUNTY

REVISIONS	
NO.	DATE

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 8501 SW 124 AVE. STE. 205A P: 305.271.0117
 MIAMI, FL 33183 F: 305.921.4786
 www.MCYEngineering.com MCY.Engineering@Att.net

TSD - 4000 ALUM. SLIDING GLASS DOOR (LMI)
TITAN GLASS & ALUMINUM, LLC.
 450 WEST 27th STREET
 HIALEAH, FL 33010
 P: (305) 888-0911 F: (305) 671-3840

DATE	07/13/2012
SCALE	AS SHOWN
DRAWN	A.R.
PROJECT	12-111

DRAWING NO.
 AD12-47

SHEET 8 OF 8